

Application No. 10/600,201

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Docket No.: 046264-065331  
Formerly 19781/2042

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Vladimir I. Slepnev

Application No.: 10/600,201

Confirmation No.: 5135

Filed: June 20, 2003

Art Unit: 1637

For: METHODS OF DETECTING SEQUENCE  
DIFFERENCES

Examiner: A. M. Bertagna

**RESPONSE TO FINAL OFFICE ACTION**

MS AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is filed in response to the Final Office Action mailed July 9, 2007 in the above-noted patent application.

**Amendments to the Claims** are shown in the **Listing of the Claims** begins on page 2 of this paper. The amendments add no new matter.

**Remarks/Arguments** begin on page 12 of this paper.

Kindly enter the following amendments and remarks.